Enterasys Matrix N Series

Management Module Guide

Document 5152

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Preface

Welcome to the user guide for SPECTRUM's Enterasys Matrix N Series (SM-ENT1008) management module.

Please take a moment to read through this short preface, which explains how the information in this guide is organized and presented and lets you know how to access information about other SPECTRUM products.

In this section:

Intended Audience [page 4]

How to Use This Guide [page 4]

Text Conventions [page 5]

Document Feedback [page 5]

Online Documents [page 5]

Required Reading [page 6]

Intended Audience

This guide is intended for users of SPECTRUM's Enterasys Matrix N Series (SM-ENT1008) management module.

How to Use This Guide

Use this document as a guide for managing the Enterasys devices described on [page 7] with SPECTRUM management module SM-ENT1008. The guide is organized as follows:

- Overview [page 7]
- Traps, Events, and Alarms [page 10]
- Application Support [page 11]
- Device Views [page 12]
- SPECTRUM Integrations [page 14]

For general information about device management using SPECTRUM and explanations of SPECTRUM functionality and navigation techniques, refer to the topics listed under Required Reading [page 6].

Text Conventions

The following text conventions are used in this document:

Element	Convention Used	Example
User-supplied parameter names	*Courier and Italic* in angle brackets <>.	The user needs to type the password in place of <*password*>.
On-screen text	Courier	The following line displays: path="/audit"
User-typed text	Courier	Type the following path name: C:\ABC\lib\db
Cross-references	Underlined and hypertext-blue	See Document Feedback [page 5].
References to SPECTRUM documents (title and number)	*Italic*	*SPECTRUM Installation Guide (0675)*
Functionality enabled by SPECTRUM Alarm Notification Manager (SANM)	SANM in brackets [].	[SANM] AGE_FIELD_ID

Document Feedback

Please send feedback regarding SPECTRUM documents to the following e-mail address:

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Thank you for helping us improve our documentation.

Online Documents

SPECTRUM documents are available online at:

http://www.aprisma.com/manuals

Check this site for the latest updates and additions.

Required Reading

To use this documentation effectively, you must be familiar with the information covered by the SPECTRUM documents listed below.

- *Getting Started with SPECTRUM for Operators (1763)*
- *Getting Started with SPECTRUM for Administrators (0985)*
- *How to Manage Your Network with SPECTRUM (1909)*
- *SPECTRUM Views (2517)*
- *SPECTRUM Menus (2519)*
- *SPECTRUM Icons (2518)*
- *Application View and MIBs (2560)*
- *SPECTRUM Software Release Notice*

Overview

This section introduces the SPECTRUM documentation for the Enterasys Matrix N Series management module.

In this section:

Device Support [page 7]

Device MIB Support [page 9]

Device Support

SPECTRUM management module SM-ENT1008 currently provides modeling for the following Enterasys Matrix N Series devices (Table 1). Figure 1 shows the Device Icon in the Topology view.

Table 1: Supported Devices, Firmware, and Model Type

Device	Firmware Revision	Model Type
Matrix N7 Chassis 7 Slot Chassis Accepts only Matrix N Distributed Forwarding Engine (DFE) modules (no legacy support).	v2.00.16 (July 2003)	MatrixN
Matrix N3 Chassis 3 Slot Chassis Accepts only Matrix N Distributed Forwarding Engine (DFE) modules (no legacy support).	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7H4382-49	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7G4270-12	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7G4202-30	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7H4203-72	v2.00.16 (July 2003)	MatrixN

Device	Firmware Revision	Model Type
Matrix N DFE Model - 7K4290-02	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7H4284-49	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7H4383-49	v2.00.16 (July 2003)	MatrixN
Matrix N DFE Model - 7G-6MBGIC	v2.00.16 (July 2003)	MatrixN

Figure 1: Device Icon

The Enterasys Matrix N series switches provide intelligent switching at user and server access points. These switches are ideal for premium edge, collapsed backbone, distribution switching, and server farm aggregation applications including performance networking, business critical applications, end-to-end security and voice. Distributed Forwarding Engines (DFEs), the modules for the Matrix N series, have been designed to deliver high performance and flexibility to ensure comprehensive switching, routing, Quality of Service, security and traffic containment.

Device MIB Support

SPECTRUM supports a number of device-specific MIBs for the Enterasys Matrix N Series (SM-ENT1008) management module. These MIBs are shown in Table 2 below.

Table 2: Enterasys Hardware MIBS

Enterasys Hardware MIBS
Ct-broadcast-mib
Ctif-ext-mib
Ctron-bridge-mib
Ctron-cdp-mib
Ctron-chassis-mib
Ctron-q-bridge-mib-ext-mib
Ctron-rate-policing-mib
Ctron-tx-queue-arbitration-mib
Enterasys-configuration-management-mib
Enterasys-policy-profile-mib
Ctron-igmp-mib
Enterasys-diagnostic-message-mib
Enterasys-IEEE8023-lag-mib-ext-mib
Enterasys-IETF-bridge-mib-ext-mib
Enterasys-IETF-p-bridge-mib-ext-mib
Enterasys-jumbo-ethernet-frame-mib
Enterasys-spanning-tree-diagnostic-mib
Enterasys-syslog-client-mib
Enterasys-vlan-interface-mib
Event-actions-mib

Traps, Events, and Alarms

This section describes standard traps supported by the Enterasys Matrix N Series (SM-ENT1008) management module.

In This Section

Standard Trap Support [page 10]

Standard Trap Support

The following standard traps are supported.

Standard Trap Name	OID
coldStart	0.0
warmStart	1.0
linkDown	2.0
linkUp	3.0
authenticationFailure	4.0

Application Support

This section describes the applications supported by the Enterasys Matrix N Series management module.

In This Section

RFC and IEEE Standard Applications [page 11]

RFC and IEEE Standard Applications

The Enterasys Matrix N Series management module has the ability to support various RFC and IEEE standard applications. The applications are created and associated with the device model based on the specific device's capabilities. The following guides contain complete documentation for each of the standard applications supported by SPECTRUM:

- *Bridging Applications (2562)*
- *MIB II Applications (2561)*
- *Routing Applications (3080)*
- *Technology Applications (5065)*
- *Transmission Applications (5064)*

Device Views

This section describes device-specific MIB views for the Enterasys Matrix N Series that are accessible from the Icon Subviews menu of the Device icon.

In This Section

Web Administration [page 12]

Entity Tables [page 12]

NetSight Element Manager [page 13]

Web Administration

Note: From the Icon Subviews menu for the Enterasys Matrix N Device icon, select **Web Administration**.

This menu selection provides access to the URL set in the device's `WebAdminURL` attribute.

Note: The default value of the `WebAdminURL` attribute is `http://<0x1027f> (0x1027f` is the `Network_Address` attribute, which contains the device's IP Address). You can use the Global Attribute Editor in Search Manager to change the value of the `WebAdminURL` attribute. See the Global Attribute Editor section of the *Search Manager User Guide (2383)* for more information.

Entity Tables

Note: From the Icon Subviews menu for the Matrix N Device icon, select **Entity Tables > Physical/ Logical Tables**

This menu selection provides access to the RFC2737App's Physical and Logical Entity tables (see Application Support [page 11]).

NetSight Element Manager

Note: From the Icon Subviews menu for the Enterasys Matrix N Device icon, select **NetSight Element Manager**.

This menu selection launches the Enterasys NetSight Element Manager application if it is available. In order for SPECTRUM to find Netsight, you must set the `NETSIGHTPATH` environmental variable equal to the path to the NetSight Element Manager application.

When setting the `NETSIGHTPATH` environmental variable, be sure to use the path to the location of the Element Manager executable, not the path to the location of the installation.

For example, if the NetSight Element Manager was installed in a Windows environment in the `Program Files\Enterasys Networks\NetSight Element Manager` directory, the path to the executable would be:

```
C:\Program Files\Enterasys Networks\NetSight Element Manager\Bin
```

Note: For information on how to set an environmental variable, refer to the documentation for your operating system.

Once you have set the `NETSIGHTPATH` environmental variable, you must restart the SpectroGRAPH and the SPECTRUM Control Panel (if you are using it to launch the SpectroGRAPH) in order for the NetSight Element Manager menu option to become available.

SPECTRUM Integrations

This section describes SPECTRUM products that integrate specifically with the Enterasys Matrix N Series management module.

Table 3: SPECTRUM Integrations

Supported SPECTRUM Product	**Documented in:**
VLAN Overlay	*VLAN Management User Guide (3543)*
SNMPv3	*SPECTRUM SNMPv3 User Guide (5124)*

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